

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P828008

Luminaire Tested: **OHBL-18HE-W-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828008
REPORT IS A COMBINATION OF REPORTS P826232 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-W-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

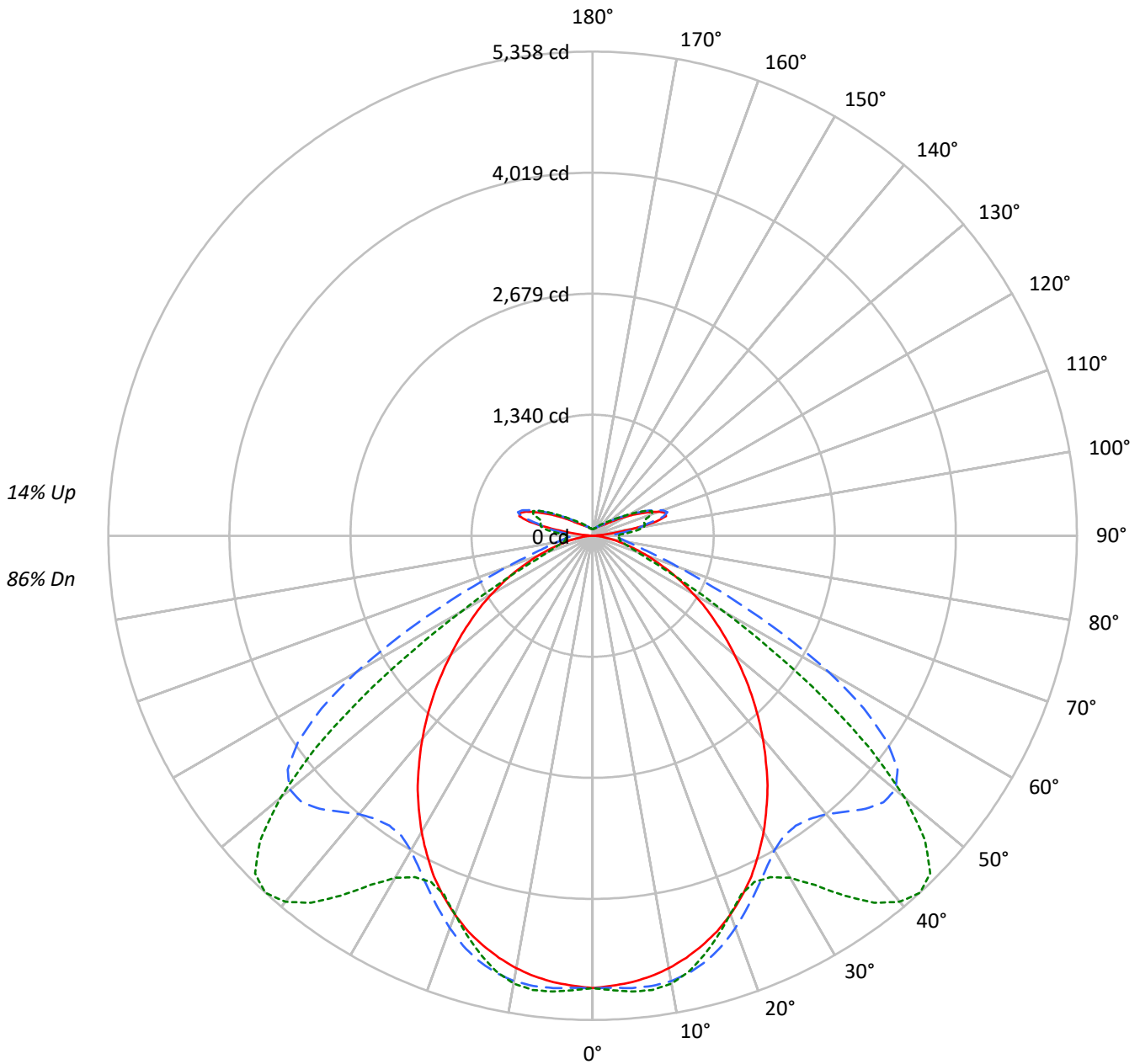
Lumens per Lamp: N/A
Luminaire Lumens: 17003.6 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 120.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	102	97	94	102	98	94	91	91	88	86	85	83	81	79	78	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	70	67	64	61																			
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44																			
5	74	62	53	46	71	60	52	46	56	49	44	53	47	42	49	44	40	38																			
6	68	55	47	40	65	54	45	40	50	43	38	47	41	37	45	39	35	33																			
7	63	50	41	35	61	48	40	35	46	39	34	43	37	32	41	35	31	29																			
8	59	45	37	31	56	44	36	31	42	35	30	39	33	29	37	32	28	26																			
9	55	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8549	8549	8549
5°	8428	8537	8646
10°	8282	8524	8657
15°	8080	8383	8379
20°	7820	8095	7969
25°	7486	7746	7809
30°	7057	7486	8403
35°	6576	7625	9833
40°	6027	8258	11368
45°	5456	9367	12219
50°	4866	10358	11371
55°	4311	10344	8688
60°	3748	8751	5312
65°	3159	6042	3218
70°	2504	3906	2323
75°	1837	2798	2154
80°	1240	2457	2430
85°	741	2699	3841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.3	2.8
10°-20°	1354.4	8.0
20°-30°	1982.0	11.7
30°-40°	2574.0	15.1
40°-50°	3143.2	18.5
50°-60°	2768.1	16.3
60°-70°	1442.5	8.5
70°-80°	618.6	3.6
80°-90°	302.2	1.8
90°-100°	332.8	2.0
100°-110°	757.5	4.5
110°-120°	626.7	3.7
120°-130°	303.9	1.8
130°-140°	152.1	0.9
140°-150°	86.8	0.5
150°-160°	49.0	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	3814.7	22.4
0°-40°	6388.7	37.6
0°-60°	12300.0	72.3
0°-90°	14663.2	86.2
90°-120°	1717.0	10.1
90°-150°	2259.8	13.3
90°-180°	2340.0	13.8
0°-180°	17003.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5005	5005	5005	5005	5005	
5°	4959	4997	5024	5068	5062	470
15°	4692	4824	4870	4834	4795	1321
25°	4158	4380	4306	4224	4229	1908
35°	3375	3731	3918	4569	4862	2103
45°	2485	3126	4273	5174	5282	1916
55°	1654	2739	3979	3489	3101	1485
65°	949	1897	1822	1013	872	939
75°	382	888	585	401	380	417
85°	81	316	298	292	295	90
90°	5	143	236	276	288	9
95°	46	159	300	374	404	139
105°	840	864	805	623	584	798
115°	583	604	645	658	655	588
125°	289	308	339	349	348	271
135°	173	176	193	207	209	137
145°	130	131	134	142	144	82
155°	105	107	106	107	107	48
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5005.2	5005.2	5005.2	5005.2	5005.2
2.5°	4983.7	5005.2	5006.3	5036.6	5033.3
5°	4958.8	4996.7	5023.7	5067.9	5062.5
7.5°	4917.8	4977.2	5024.8	5073.3	5069.0
10°	4859.5	4940.5	5003.1	5043.1	5030.1
12.5°	4783.9	4890.8	4952.3	4961.0	4936.2
15°	4692.1	4823.8	4870.2	4833.6	4794.7
17.5°	4588.4	4742.8	4759.1	4679.2	4630.6
20°	4458.8	4634.8	4618.7	4508.5	4454.5
22.5°	4315.2	4516.1	4464.3	4348.7	4296.8
25°	4157.6	4380.0	4305.5	4224.5	4228.8
27.5°	3972.9	4225.6	4153.2	4190.0	4259.1
30°	3785.0	4063.6	4019.3	4233.2	4369.3
32.5°	3578.8	3897.3	3937.2	4359.5	4581.9
35°	3374.7	3731.0	3917.8	4569.0	4861.7
37.5°	3148.9	3562.6	3949.2	4810.9	5117.6
40°	2929.8	3398.4	4020.4	5027.9	5287.1
42.5°	2706.2	3251.5	4140.2	5156.4	5358.4
45°	2484.8	3126.2	4273.1	5173.8	5281.8
47.5°	2263.4	3020.4	4364.9	5036.6	4986.9
50°	2049.6	2926.5	4371.4	4707.2	4504.2
52.5°	1849.8	2840.1	4252.6	4182.4	3867.1
55°	1654.4	2738.6	3979.4	3489.1	3101.4
57.5°	1476.2	2598.2	3558.2	2744.0	2320.7
60°	1287.2	2408.2	3014.0	2007.5	1673.8
62.5°	1113.3	2171.7	2403.8	1397.3	1203.0
65°	949.2	1897.3	1821.8	1012.9	871.5
67.5°	775.3	1613.3	1344.5	738.7	647.9
70°	639.3	1349.8	1001.1	574.5	521.6
72.5°	500.0	1099.3	748.3	466.5	437.3
75°	382.2	887.7	585.3	400.7	380.1
77.5°	281.8	701.9	470.8	354.2	334.8
80°	197.6	552.9	394.2	316.4	308.8
82.5°	132.8	427.7	335.8	301.2	302.3
85°	81.0	316.4	298.1	291.6	294.8
87.5°	38.9	224.6	255.9	265.7	268.9
90°	5.2	142.8	235.7	276.2	287.5
92.5°	14.2	125.0	232.8	285.8	302.1
95°	46.3	159.4	299.9	373.6	404.0
97.5°	226.3	297.6	401.2	484.3	515.0
100°	463.2	535.8	519.4	568.9	579.7
102.5°	714.1	748.8	627.3	597.8	593.2
105°	840.2	864.5	804.8	622.8	584.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	679.8	709.2	741.2	737.3	712.8
115°	583.2	604.1	645.2	657.5	654.7
117.5°	500.9	513.6	552.6	564.7	566.6
120°	415.9	433.7	472.5	481.3	477.4
122.5°	350.1	365.5	399.6	409.8	405.9
125°	289.3	307.5	339.3	349.2	347.8
127.5°	244.8	256.8	288.8	300.4	300.7
130°	214.0	220.7	248.4	260.1	263.1
132.5°	190.7	196.5	217.4	231.6	232.9
135°	173.2	176.5	193.1	206.7	209.4
137.5°	159.0	161.5	174.0	187.3	189.5
140°	146.5	149.8	158.3	170.8	172.7
142.5°	136.8	139.0	145.6	155.8	156.9
145°	129.5	130.7	134.2	141.5	144.5
147.5°	122.0	124.2	125.9	131.9	133.0
150°	116.2	117.8	118.2	121.2	124.2
152.5°	110.3	112.0	112.3	113.2	115.3
155°	105.3	107.0	106.5	107.3	107.3
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	844.6	876.0	868.3	716.6	617.1
110°	779.6	810.8	824.1	777.2	697.7



(END OF REPORT)